STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Ergonomics in OHS management systems		**1011102231011127664**
Field of study	Profile of study (general academic, practical)	Year /Semester
Safety Engineering - Full-time studies - Second-	**(brak)**	**2 / 3**
Elective path/specialty	Subject offered in:	Course (compulsory, elective)
Work Safety Management	**-**	**elective**
Cycle of study:	Form of study (full-time,part-time)	
Second-cycle studies	**full-time**	
No. of hours		No. of credits
Lecture: **15** Classes: **30** Laboratory: **-** Project/seminars: **15**		**3**
Status of the course in the study program (Basic, major, other)	(university-wide, from another field)	
(brak)	**(brak)**	
Education areas and fields of science and art		ECTS distribution (number and %)
technical sciences		**3 100%**
Technical sciences		**3 100%**

Responsible for subject / lecturer:

Wiesława M. Horst
email: wieslawahorst@o2.pl
tel. 665 3379
WIZ PP
Wydział Inżynierii Zarządzania ul. Strzelecka 11 60 965
Poznań

Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	The student has knowledge of the basic tools to identify ergonomic risk factors
2	**Skills**	The student can identify ergonomic risk factors in a particular workplace
3	**Social competencies**	The student is able to associate the discomfort and musculoskeletal diseases with the exposure to ergonomic hazards

Assumptions and objectives of the course:

Aim of the course: the acquisition of knowledge, skills and social competence in the field of principles building and maintaining an ergonomic program in the organization as well as its role in health care. Teaching skills to perceive occupational hazards that are related to the way the work is performed

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. The student knows the factors determining the state of security, methods and mechanisms of safety, forecasting the safety, preventive measures for the safety, ways to restore an acceptable state of safety and rules for building and maintaining "the ergonomic program" in the organization and preparation for implementation in practice - [-[K2A_W13]]

Skills:

1. Can acquire, integrate, interpret data from literature, database or other properly matched sources, both in English or other foreign language accepted as an international language of communication within Safety Engineering, as well as to draw conclusions, formulate and justify opinions - [-[K2A_U1]]

2. Can apply various techniques in order to communicate in occupational environment and other environments - [-[K2A_U2]]

3. Can create, both in English and Polish language, a well- documented report of problems within Safety Engineering, which present the results of their own research - [-[K2A_U3]]

4. Can prepare and give oral presentation relating to detailed issues within the realm of Safety Engineering in Polish and other foreign language - [[K2A_U4]]

5. Has self-study ability and comprehends it - [[K2A_U5]]

6. Student can apply information-communicative techniques to deal with tasks that are typical of engineering activity - [[K2A_U7]]

Social competencies:

1. Understands the need and knows means how to self-study (first, second and third cycle studies, postgraduate studies, qualification courses)- improving professional, personal and social competence; can argument the need to learn for the whole life - [-[K2A_K1]]
2. Student is fully aware of the responsibility that he has taken for his own work and expresses readiness to comply with the rules of team work as well as responsibility for mutually realized and completed tasks - [-[K2A_K3]]
3. Can determine some causal relationships in the process of targets implementation and rank pertinence of alternative or competitive tasks - [-[K2A_K4]]

Assessment methods of study outcomes

Formative assessment:

Classes: presentation (PP) of the research results (ongoing)

Lectures: written tests

Collective assessment:

Classes and projects: average of the achieved marks and preparation of a project (basis for credits)

Lectures: average of test grades

Course description

Content basics:

- ergonomics in legal documents and standardization
- musculoskeletal ailments and their sources as well as socio-economic effects
- the structure of an ergonomic program
- selected parts of the program
- ergonomic prevention

Basic bibliography:

1. Horst Wiesława M., Diagnozowanie sposobu wykonywania pracy. Zagrożenia ergonomiczne. Wyd. PP, Poznań, 2012.
2. Horst Wiesława M., Horst-Kończal Maria K., Ergonomia w zarzadzaniu bezpieczeństwem i zdrowiem w pracy. Wyd. PP, Poznań, 2012.

Additional bibliography:

1. DzU 2009.105.869 Rozporządzenie Rady Ministrów z dnia 30 czerwca 2009 r. w sprawie chorób zawodowych
2. DzU 2008.237.1656 Ustawa z dnia 19 grudnia 2008 r. o emeryturach pomostowych

Result of average student's workload

Activity	Time (working hours)
1. Participation in lectures	15
2. Participation in classes	30
3. Participation in projects	15
4. Preparation for lab classes	5
5. Preparation for project	10
6. Preparation for the lectures based tests	5
7. Preparation of the materials for classes	8
8. Overview of credit results (lectures)	2

Student's workload

Source of workload	hours	ECTS
Total workload	90	3
Contact hours	60	2
Practical activities	30	1